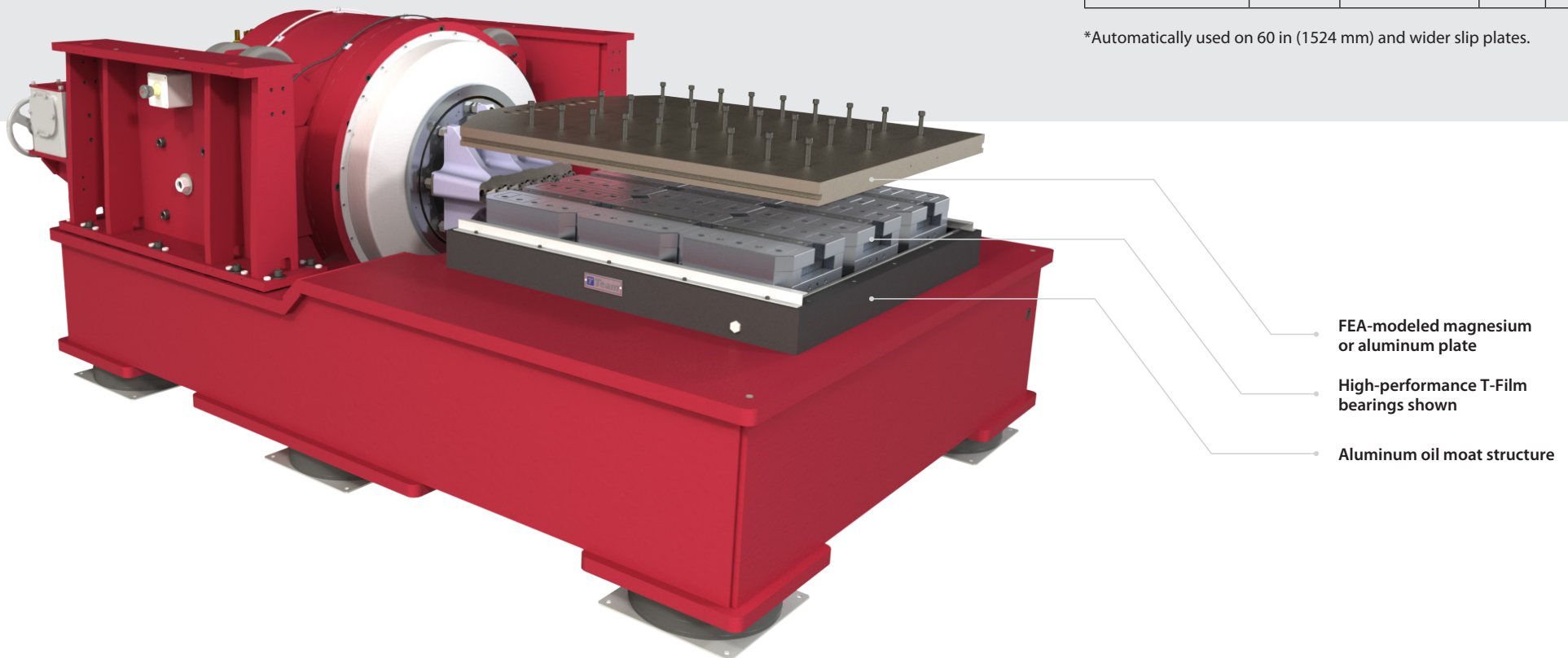


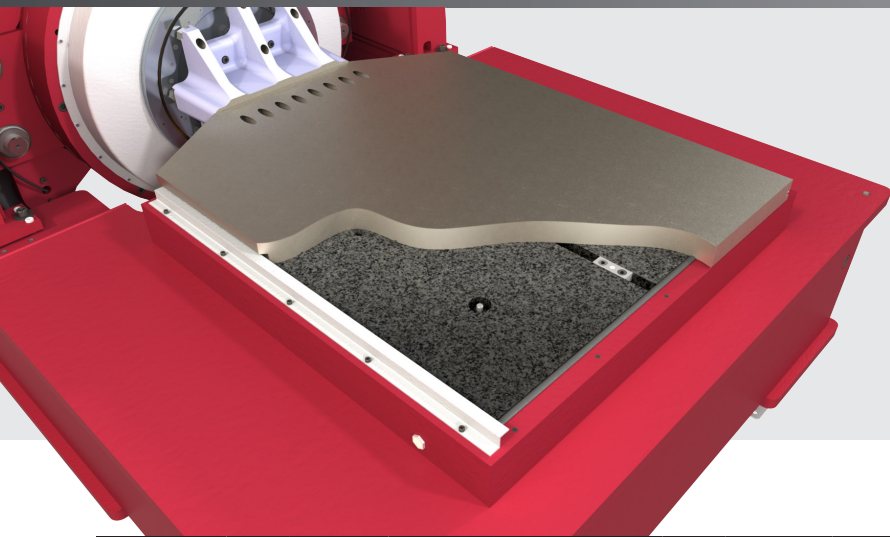
Data Physics offers four types of slip tables – each with their own performance characteristics: Guided Oil Film Tables (GOFT), low- and high-pressure journal bearing tables, and Team T-Film bearing tables. When designing slip tables or fixtures, 3D models are produced incorporating the complete moving system to ensure that all resonances that might be excited are investigated.

Slip plates are typically made from magnesium but can also be made from aluminum depending on the required size, operating frequency, and budget. Slip tables can be supplied on monobases or on stand-alone structures for mating with any existing shaker system. The slip table assembly consists of an aluminum moat structure that the bearings/table assembly are enclosed within.

| SLIP TABLE<br>DRIVE ADAPTER | ARMATURE OUTER BOLT<br>CIRCLE DIAMETER |       | MOVING<br>MASS |    |
|-----------------------------|----------------------------------------|-------|----------------|----|
|                             | in                                     | mm    | lbs            | kg |
| DA-08                       | 8                                      | 203.2 | 13             | 6  |
| DA-12                       | 12                                     | 304.8 | 26             | 12 |
| DA-16                       | 16                                     | 406.4 | 45             | 20 |
| DA-16-W*                    | 16                                     | 406.4 | 60             | 27 |
| DA-22                       | 22                                     | 558.8 | 125            | 57 |
| DA-22-W*                    | 22                                     | 558.8 | 145            | 66 |

\*Automatically used on 60 in (1524 mm) and wider slip plates.



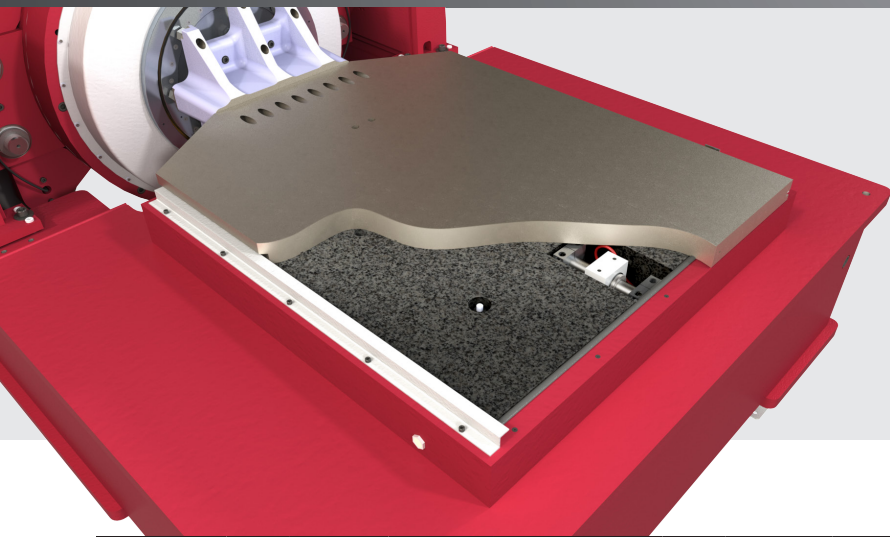


## Guided Oil Film

The Data Physics Guided Oil Film Table (GOFT) is the most cost-effective solution, providing a precision ground granite table, with a small guide element on the end of the slip plate. All restraint is provided by the oil film between the granite and slip plate. Oil pressure is provided by a small pulsating type pump.

| SLIP TABLE | LENGTH |        | WORKING AREA |                 | RECOMMENDED<br>SLIP PLATE<br>THICKNESS |      | MOVING MASS |     | STATIC LOAD<br>CAPACITY |       | OVERTURNING MOMENT CAPACITY > 5HZ |       |                |       |                |      | AXIAL<br>RESONANCE<br>WITHOUT<br>ARMATURE |
|------------|--------|--------|--------------|-----------------|----------------------------------------|------|-------------|-----|-------------------------|-------|-----------------------------------|-------|----------------|-------|----------------|------|-------------------------------------------|
|            |        |        |              |                 |                                        |      |             |     |                         |       | PITCH                             |       | ROLL           |       | YAW            |      |                                           |
|            | in     | mm     | in           | mm              | in                                     | mm   | lbs         | kg  | lbs                     | kg    | in-lbs (x1000)                    | kN*m  | in-lbs (x1000) | kN*m  | in-lbs (x1000) | kN*m | hz                                        |
| 12-GOFT    | 12     | 304.8  | 12 x 12      | 304.8 x 304.8   | 1.5                                    | 38.1 | 26          | 12  | 2030                    | 923   | 5.4                               | 0.61  | 5.4            | 0.61  | -              | -    | 2207                                      |
| 14-GOFT    | 14     | 355.6  | 14 x 14      | 355.6 x 355.6   | 1.5                                    | 38.1 | 33          | 15  | 2764                    | 1256  | 8.5                               | 0.96  | 8.5            | 0.96  | -              | -    | 1982                                      |
| 16-GOFT    | 16     | 406.4  | 16 x 16      | 406.4 x 406.4   | 1.5                                    | 38.1 | 41          | 18  | 3610                    | 1641  | 12.7                              | 1.44  | 12.7           | 1.44  | -              | -    | 1781                                      |
| 18-GOFT    | 18     | 457.2  | 18 x 18      | 457.2 x 457.2   | 1.5                                    | 38.1 | 49          | 22  | 4568                    | 2077  | 18.1                              | 2.05  | 18.1           | 2.05  | -              | -    | 1610                                      |
| 20-GOFT    | 20     | 508    | 20 x 20      | 508 x 508       | 1.5                                    | 38.1 | 59          | 27  | 5640                    | 2564  | 25                                | 2.81  | 25             | 2.81  | -              | -    | 1463                                      |
| 24-GOFT    | 24     | 609.6  | 24 x 24      | 609.6 x 609.6   | 1.5                                    | 38.1 | 80          | 36  | 8122                    | 3692  | 43                                | 4.86  | 43             | 4.86  | -              | -    | 1225                                      |
| 30-GOFT    | 30     | 762    | 30 x 30      | 762 x 762       | 1.5                                    | 38.1 | 117         | 53  | 12690                   | 5768  | 84                                | 9.49  | 84             | 9.49  | -              | -    | 1090                                      |
| 36-GOFT    | 36     | 914.4  | 36 x 36      | 914.4 x 914.4   | 2                                      | 50.8 | 215         | 98  | 18274                   | 8306  | 145                               | 16.40 | 145            | 16.40 | -              | -    | 886                                       |
| 40-GOFT    | 40     | 1016   | 40 x 40      | 1016 x 1016     | 2                                      | 50.8 | 260         | 118 | 22560                   | 10255 | 199                               | 22.50 | 199            | 22.50 | -              | -    | 788                                       |
| 44-GOFT    | 44     | 1117.6 | 44 x 44      | 1117.6 x 1117.6 | 2                                      | 50.8 | 309         | 140 | 27298                   | 12408 | 265                               | 29.94 | 265            | 29.94 | -              | -    | 772                                       |
| 48-GOFT    | 48     | 1219.2 | 48 x 48      | 1219.2 x 1219.2 | 2                                      | 50.8 | 362         | 165 | 32486                   | 14767 | 344                               | 38.87 | 344            | 38.87 | -              | -    | 703                                       |

Specifications are subject to change without notice.

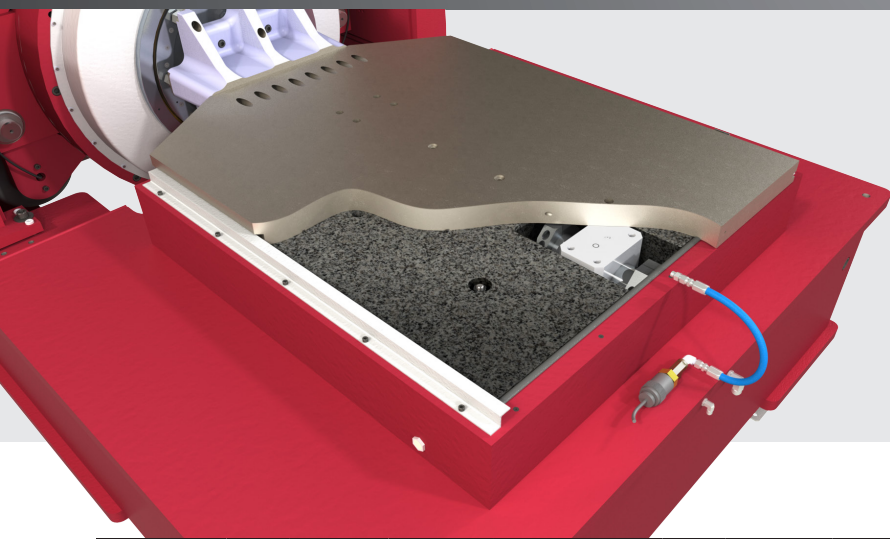


## Low Pressure Journal Bearings

The Data Physics Low Pressure Journal Bearing Table (LB) is one step up from the GOFT table. The same pulsating type oil pump is used, as well as a precision ground granite. Added restraint and guidance is added with the addition of (typically 2) linear bearings that are fed oil as well for extending life and reducing friction.

| SLIP TABLE | LENGTH |        | WORKING AREA |                 | RECOMMENDED<br>SLIP PLATE<br>THICKNESS |      | MOVING MASS |     | STATIC LOAD<br>CAPACITY |       | OVERTURNING MOMENT CAPACITY > 5HZ |      |                |      |                |      | AXIAL<br>RESONANCE<br>WITHOUT<br>ARMATURE |
|------------|--------|--------|--------------|-----------------|----------------------------------------|------|-------------|-----|-------------------------|-------|-----------------------------------|------|----------------|------|----------------|------|-------------------------------------------|
|            |        |        |              |                 |                                        |      |             |     |                         |       | PITCH                             |      | ROLL           |      | YAW            |      |                                           |
|            | in     | mm     | in           | mm              | in                                     | mm   | lbs         | kg  | lbs                     | kg    | in-lbs (x1000)                    | kN*m | in-lbs (x1000) | kN*m | in-lbs (x1000) | kN*m | hz                                        |
| 24-2LB     | 24     | 609.6  | 24 x 24      | 609.6 x 609.6   | 1.5                                    | 38.1 | 92          | 42  | 16769                   | 7622  | 273                               | 31   | 43             | 5    | 240            | 27   | 1198                                      |
| 30-2LB     | 30     | 762    | 30 x 30      | 762 x 762       | 1.5                                    | 38.1 | 129         | 59  | 21305                   | 9684  | 401                               | 45   | 84             | 9    | 330            | 37   | 1082                                      |
| 36-2LB     | 36     | 914.4  | 36 x 36      | 914.4 x 914.4   | 2                                      | 50.8 | 227         | 103 | 26849                   | 12204 | 550                               | 62   | 145            | 16   | 420            | 47   | 888                                       |
| 40-2LB     | 40     | 1016   | 40 x 40      | 1016 x 1016     | 2                                      | 50.8 | 272         | 124 | 31105                   | 14139 | 662                               | 75   | 199            | 22   | 480            | 54   | 892                                       |
| 44-2LB     | 44     | 1117.6 | 44 x 44      | 1117.6 x 1117.6 | 2                                      | 50.8 | 321         | 146 | 35809                   | 16277 | 786                               | 89   | 265            | 30   | 540            | 61   | 803                                       |
| 48-2LB     | 48     | 1219.2 | 48 x 48      | 1219.2 x 1219.2 | 2                                      | 50.8 | 374         | 170 | 40961                   | 18619 | 923                               | 104  | 344            | 39   | 600            | 68   | 726                                       |

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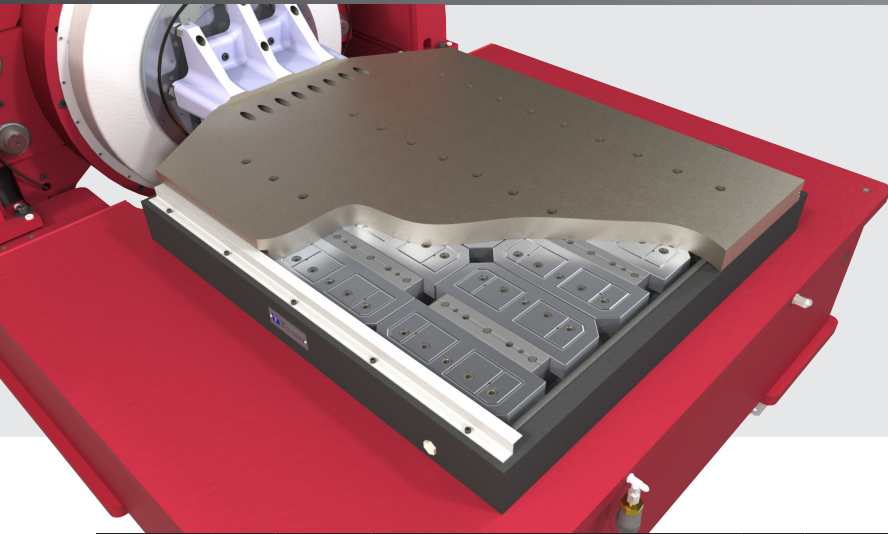


## High Pressure Journal Bearings

The Data Physics High Pressure Journal Bearing Table (HB) are true hydrostatic journal bearings. It is still guided on a precision granite table with an oil film, but the Journal Bearings are pressurized to 3000 psi and provide 8,500 lbs (3850 kg) static load capacity per bearing.

| SLIP TABLE | LENGTH |        | WORKING AREA |                 | RECOMMENDED<br>SLIP PLATE<br>THICKNESS |      | MOVING MASS |     | STATIC LOAD<br>CAPACITY |       | OVERTURNING MOMENT CAPACITY > 5HZ |      |                |      |                |      | AXIAL<br>RESONANCE<br>WITHOUT<br>ARMATURE |
|------------|--------|--------|--------------|-----------------|----------------------------------------|------|-------------|-----|-------------------------|-------|-----------------------------------|------|----------------|------|----------------|------|-------------------------------------------|
|            |        |        |              |                 |                                        |      |             |     |                         |       | PITCH                             |      | ROLL           |      | YAW            |      |                                           |
|            | in     | mm     | in           | mm              | in                                     | mm   | lbs         | kg  | lbs                     | kg    | in-lbs (x1000)                    | kN*m | in-lbs (x1000) | kN*m | in-lbs (x1000) | kN*m | hz                                        |
| 24-2HB     | 24     | 609.6  | 24 x 24      | 609.6 x 609.6   | 2                                      | 50.8 | 125         | 57  | 22244                   | 10111 | 376                               | 43   | 43             | 5    | 348            | 39   | 1,115                                     |
| 30-2HB     | 30     | 762    | 30 x 30      | 762 x 762       | 2                                      | 50.8 | 175         | 80  | 26780                   | 12173 | 558                               | 63   | 84             | 9    | 492            | 56   | 1,025                                     |
| 36-2HB     | 36     | 914.4  | 36 x 36      | 914.4 x 914.4   | 2                                      | 50.8 | 234         | 106 | 32324                   | 14693 | 759                               | 86   | 145            | 16   | 636            | 72   | 858                                       |
| 40-2HB     | 40     | 1016   | 40 x 40      | 1016 x 1016     | 2                                      | 50.8 | 279         | 127 | 36580                   | 16627 | 907                               | 102  | 199            | 22   | 732            | 83   | 867                                       |
| 44-2HB     | 44     | 1117.6 | 44 x 44      | 1117.6 x 1117.6 | 2                                      | 50.8 | 328         | 149 | 41284                   | 18765 | 1066                              | 120  | 265            | 30   | 828            | 94   | 784                                       |
| 48-2HB     | 48     | 1219.2 | 48 x 48      | 1219.2 x 1219.2 | 2                                      | 50.8 | 381         | 173 | 46436                   | 21107 | 1239                              | 140  | 344            | 39   | 924            | 104  | 712                                       |
| 60-2HB     | 60     | 1524   | 60 x 60      | 1524 x 1524     | 2                                      | 50.8 | 565         | 257 | 64580                   | 29355 | 1848                              | 209  | 672            | 76   | 1212           | 137  | 552                                       |

Specifications are subject to change without notice.



## Hydrostatic T-Film Bearings

The Data Physics T-Film Bearing Tables (TB) are our most advanced slip table system. Bearings are provided by our partner company, Team Corporation. The modular bearings afford flexible configuration plus high load capacity at 6,500 lbs (2950 kg) per bearing, and significantly higher stiffness. T-Film tables use precision aluminum filler blocks instead of granite for the oil film support.

| SLIP TABLE | LENGTH |        | NUMBER OF BEARINGS | WORKING AREA |                 | RECOMMENDED SLIP PLATE THICKNESS |      | MOVING MASS |     | STATIC LOAD CAPACITY |       | OVERTURNING MOMENT CAPACITY > 5HZ |      |                |      |                |      | AXIAL RESONANCE WITHOUT ARMATURE |
|------------|--------|--------|--------------------|--------------|-----------------|----------------------------------|------|-------------|-----|----------------------|-------|-----------------------------------|------|----------------|------|----------------|------|----------------------------------|
|            |        |        |                    |              |                 |                                  |      |             |     |                      |       | PITCH                             |      | ROLL           |      | YAW            |      |                                  |
|            | in     | mm     |                    | in           | mm              | in                               | mm   | lbs         | kg  | lbs                  | kg    | in-lbs (x1000)                    | kN*m | in-lbs (x1000) | kN*m | in-lbs (x1000) | kN*m | hz                               |
| 24-2TB     | 24     | 609.6  | 2                  | 24 x 24      | 609.6 x 609.6   | 1.5                              | 38.1 | 103         | 47  | 13000                | 5909  | 234                               | 26   | -              | -    | 54             | 6    | 1049                             |
| 24-4TB     | 24     | 609.6  | 4                  | 24 x 24      | 609.6 x 609.6   | 1.5                              | 38.1 | 124         | 56  | 26000                | 11818 | 468                               | 53   | 468            | 53   | 76.4           | 9    | 943                              |
| 30-2TB     | 30     | 762    | 2                  | 30 x 30      | 762 x 762       | 1.5                              | 38.1 | 138         | 63  | 13000                | 5909  | 351                               | 40   | -              | -    | 81             | 9    | 896                              |
| 30-4TB     | 30     | 762    | 4                  | 30 x 30      | 762 x 762       | 1.5                              | 38.1 | 159         | 72  | 26000                | 11818 | 702                               | 79   | 468            | 53   | 97.4           | 11   | 811                              |
| 36-2TB     | 36     | 914.4  | 2                  | 36 x 36      | 914.4 x 914.4   | 2                                | 50.8 | 241         | 109 | 13000                | 5909  | 468                               | 53   | -              | -    | 108            | 12   | 837                              |
| 36-3TB     | 36     | 914.4  | 3                  | 36 x 36      | 914.4 x 914.4   | 2                                | 50.8 | 251         | 114 | 19500                | 8864  | 468                               | 53   | -              | -    | 108            | 12   | 818                              |
| 36-9TB     | 36     | 914.4  | 9                  | 36 x 36      | 914.4 x 914.4   | 2                                | 50.8 | 314         | 143 | 58500                | 26591 | 1404                              | 159  | 1404           | 159  | 108            | 12   | 723                              |
| 48-2TB     | 48     | 1219.2 | 2                  | 48 x 48      | 1219.2 x 1219.2 | 2                                | 50.8 | 389         | 177 | 13000                | 5909  | 702                               | 79   | -              | -    | 162            | 18   | 709                              |
| 48-4TB     | 48     | 1219.2 | 4                  | 48 x 48      | 1219.2 x 1219.2 | 2                                | 50.8 | 410         | 186 | 26000                | 11818 | 780                               | 88   | -              | -    | 180            | 20   | 692                              |
| 48-12TB    | 48     | 1219.2 | 12                 | 48 x 48      | 1219.2 x 1219.2 | 2                                | 50.8 | 493         | 224 | 78000                | 35455 | 2340                              | 264  | 2808           | 317  | 180            | 20   | 632                              |
| 48-16TB    | 48     | 1219.2 | 16                 | 48 x 48      | 1219.2 x 1219.2 | 2                                | 50.8 | 535         | 243 | 104000               | 47273 | 3120                              | 353  | 3432           | 388  | 205            | 23   | 606                              |
| 60-2TB     | 60     | 1524   | 2                  | 60 x 60      | 1524 x 1524     | 2                                | 50.8 | 575         | 261 | 13000                | 5909  | 936                               | 106  | -              | -    | 216            | 24   | 550                              |
| 60-5TB     | 60     | 1524   | 5                  | 60 x 60      | 1524 x 1524     | 2                                | 50.8 | 606         | 275 | 32500                | 14773 | 1170                              | 132  | -              | -    | 270            | 31   | 538                              |
| 60-25TB    | 60     | 1524   | 25                 | 60 x 60      | 1524 x 1524     | 2                                | 50.8 | 814         | 370 | 162500               | 73864 | 5850                              | 661  | 5850           | 661  | 270            | 31   | 462                              |

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